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PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 2

**Complete if Known**

Application Number	09/994,135
Filing Date	11/26/2001
First Named Inventor	Gagne et al.
Group Art Unit	1712
Examiner Name	UNKNOWN
Attorney Docket Number	PI1245USNA

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
RL		US -	3,496,215	02/17/1970	Drinkard et al.	
		US -	3,496,217	02/17/1970	Drinkard et al.	
		US -	3,631,191	12/28/1971	Kane et al.	
		US -	3,655,723	04/11/1972	Drinkard et al.	
		US -	3,766,237	10/16/1973	Chia et al.	
		US -	3,846,461	11/05/1974	Shook, Jr.	
		US -	3,847,959	11/12/1974	Shook, Jr. et al.	
		US -	3,903,120	09/02/1975	Shook, Jr. et al.	
		US -	3,907,847	09/23/1975	Keblys	
		US -	4,668,651	05/26/1987	Billig et al.	
		US -	4,769,498	09/06/1988	Billig et al.	
		US -	4,874,884	10/17/1989	McKinney et al.	
		US -	5,210,260	05/11/1993	Bohshar et al.	
		US -	5,235,113	08/10/1993	Sato et al.	
		US -	5,432,289	07/11/1995	Pugin et al.	
		US -	5,512,696	04/30/1996	Kreutzer et al.	
		US -	5,523,453	06/04/1996	Breikss	
		US -	5,543,536	08/06/1996	Tam	
		US -	5,688,986	11/18/1997	Tam et al.	
		US -	5,693,843	12/02/1997	Breikss et al.	
		US	5,710,306	01/20/1998	Snijder et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
RL		WO93	03839		03/04/1993	UNION CARBIDE		<input type="checkbox"/>
		WO95	30680		11/16/1995	Kamer et al.		<input type="checkbox"/>
		WO96	22968		08/01/1996	E. I. du Pont de Nemours and Company		<input type="checkbox"/>
		WO98	12202		03/26/1998	Polywka et al.		<input type="checkbox"/>
		WO98	43935		10/08/1998	MITSUBISHI CHEM. CO. (SEE US6265620)		<input type="checkbox"/>
		WO99	06146		02/11/1999	E. I. DU PONT DE NEMOURS AND COMPANY		<input type="checkbox"/>
RL		WO99	13983		03/25/1999	BASF(SEE US2001/0014647A1)		<input type="checkbox"/>

Examiner  
Signature*Edward Chapman*Date  
Considered

3-15-05

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

## Complete if Known

Application Number 09/994,135  
 Filing Date 11/26/2001  
 First Named Inventor GAGNE ET AL.  
 Group Art Unit 1712  
 Examiner Name UNKNOWN  
 Attorney Docket Number PI1245USNA

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code 2 (if known)				
		US - 5,723,641		03/03/1998	Tam et al.	
RR		US - 5,817,850		10/06/1998	Pastor et al.	
		US - 5,821,378		10/13/1998	Foo et al.	
		US - 5,910,600		06/08/1999	Urata et al.	
		US - 5,990,318		11/23/1999	Chan et al.	
		US - 6,031,120		02/29/2000	Tam	
		US - 6,069,267		05/30/2000	Tam	
		US - 6,121,184		09/19/2000	Druliner et al.	
		US - 6,242,633		06/05/2001	Fischer et al. (See WO99/13983)	
		US - 6,265,620		07/24/2001	Urata et al. (See WO98/43935)	
		US - 2001/0014647		08/16/2001	BASF (SEE WO9913983)	
RR		US - 6,355,833		03/12/2002	BASF (SEE WO9913983)	
		US -				

## FOREIGN PATENT DOCUMENTS

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		Country Code 3	Number 4	Kind Code 5 (if known)				
RR		WO99	46044		09/16/1999	BASF (SEE CA129728)		<input type="checkbox"/>
		WO99	62855		12/09/1999	E. I. du Pont de Nemours and Company		<input type="checkbox"/>
		WO99	64155		12/16/1999	BASF (SEE CA1304334)		<input type="checkbox"/>
		EP	0864577		09/16/1998	KYOKO ET AL.		<input type="checkbox"/>
		EP	0877029		11/11/1998	KYOKO ET AL.		<input type="checkbox"/>
		CN	1292728		03/12/1991	BASF (SEE WO9946044)		<input type="checkbox"/>
RR		CN	1304334			BASF (SEE WO9964155)		<input type="checkbox"/>

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RR		BAYSTON, DANIEL J. et al., Preparation and Use of a Polymer Supported BINAP Hydrogenation Catalyst, J. Org. Chem. 1998, Volume 63, pp. 3137-3140	<input type="checkbox"/>
		NOZAKI, KYOKO ET AL., Asymmetric Hydroformylation of Olefins in a Highly Cross-Linked Polymer Matrix, J. Am. Chem. Soc., 1998, Volume 120, pp. 4051-4052	<input type="checkbox"/>
RR		BRUNKAN, NICOLE M. ET AL., Effect of Chiral Cavities Associated with Molecularly Imprinted Platinum Centers on the Selectivity of Ligand-Exchange Reactions at Platinum, J. Am. Chem. Soc., 2000, Volume 122, pp. 6217-6225	<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature

*Bernard L. Lippman*

Date Considered

7-15-05

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**Complete if Known**

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Sheet	1	of	2
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Application Number	09/994,135
Filing Date	11/26/2001
First Named Inventor	Gagne et al.
Group Art Unit	1712
Examiner Name	Watson, D. R.
Attorney Docket Number	PI1245USNA

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
RL		US -	5,959,135	09/28/1999	GARNER ET AL.	
RL		US -	5,981,772	11/09/1999	FOO ET AL.	
RL		US -	6,171,996	01/09/2001	GARNER ET AL.	
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		CountryCode <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
RL		WO	97/33854		09/18/1997	E. I. du Pont de Nemours and Company		<input type="checkbox"/>
ph		WO	01/21580		03/29/2001	E. I. du Pont de Nemours and Company		<input type="checkbox"/>
								<input type="checkbox"/>
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								<input type="checkbox"/>
								<input type="checkbox"/>

Demetrius Lyman

Date Considered

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the tow-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols asindicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(use as many sheets as necessary)**

Sheet	2	of	2
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**C mplete if Known**

Application Number	09/994,135
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Filing Date	11/26/2001
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First Named Inventor	GAGNE ET AL.
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Group Art Unit	1712
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Examiner Name	UNKNOWN
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Attorney Docket Number	PI1245USNA
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**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

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**Examiner  
Signature**

Date Considered

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>SUPPLEMENTAL          INFORMATION DISCLOSURE          STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	09/994,135
		Filing Date	11/26/2001
		First Named Inventor	GAGNE ET AL.
		Group Art Unit	1712
		Examiner Name	UNKNOWN
		Attorney Docket Number	PI1245USNA
Sheet	1	of	2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>pk</i>		Comprehensive Organometallic Chemistry, ED: G. Wilkinson, F. g. A. Stone, and E. W. Abel, New York: Pergamon Press 1982, Chapter 55	<input type="checkbox"/>
		Richard Heck, Organic Reactions, 1982, Chapter 2, pp. 348	<input type="checkbox"/>
		Parrinello et al., J. Org. Chem. 1986, Platinum-Catalyzed Asymmetric Hydroformylation with a Polymer-Attached Optically Active Phosphine Ligand, Volume 51, pp. 4189-4195	<input type="checkbox"/>
		Gloede et al., Z. Anorg. Allg. Chem., 1986, Zur Halogenierung der o-Methoxyphenylester von P <sup>III</sup> -Sauren, Volume 535, 221-228	<input type="checkbox"/>
		Machon et al, Synthesis 1988, Synthesis of Fluor[3,4,-d]pyrimidine Derivatives via Reaction of 4-Methylpyrimidine-5-carboxylic Acids with Thionyl Chloride, Volume, 2, pp. 142-144	<input type="checkbox"/>
		Baker et al., J. Chem. Soc. Chem. Commun. 1991, Chiral Aryl Diphosphites: a New Class of Ligands for Hydrocyanation Catalysis, pp. 1292-1293	<input type="checkbox"/>
		Baker et al. J. Chem. Soc. Chem. Commun. 1991, Chelating Diphosphite Complexes of Nickel(0) and Platinum (0): Their Remarkable Stability and Hydrocyanation Activity, pp. 803-805	<input type="checkbox"/>
		Perich et al., Aust. J. Chem., 1991, Synthesis of Casein-Related Peptides and Phosphopeptides. VII* The Efficient Synthesis of Ser(P)-Containing Peptides by the Use of Boc-Ser(PO <sub>3</sub> R <sub>2</sub> )-OH Derivatives, Volume 44, pp. 233-252.	<input type="checkbox"/>
		Jongsma et al. Polymer, 1992, A New Type of Highly Active Polymer-Bound Rhodium Hydroformylation Catalyst, Volume 33, No. 1, pp. 161-165	<input type="checkbox"/>
		Helinski et al., Tet. Lett., 1993, New Phosphitylating Reagent in the Nucleotide Chemistry Containing Two 4-Nitrophenoxy Leaving Groups. Remarkably Fast and Clean Phosphitylations Activated by DBU Leading to Thio- and Seleno-oligonucleotides, Volume 34, No. 40, pp. 6451-6454	<input type="checkbox"/>
		Piet et al, Macromol. Symp, 1994, Polymer-Bound Bulky-Phosphite Modified Rhodium Hydroformylation Catalysts, Volume 80, 241-256	<input type="checkbox"/>
		Cabri et al., Acc. Chem. Res., 1995, Recent Developments and New Perspectives in the Heck Reaction, Volume 28, pp. 2-7	<input type="checkbox"/>
		Schlick et al., Acta Polymer, 1996, Catalysis on polymer supports, volume 47, pp. 1-15	<input type="checkbox"/>
		Moroz et al., J. Mol. Catal. A, 1996, Heterogenized Catalysts for Olefin Hydroformylation Containing Cobalt and Palladium-Cobalt Complexes Anchored on Phosphinated SiO <sub>2</sub> : a <sup>13</sup> C Solid-State NMR Study, Chemical 112, pp. 217-233	<input type="checkbox"/>
<i>pk</i>		Behringer et al., J. Chem. Soc., Chem. Commun., 1996, Immobilization and Chelation of Metal Complexes with Bifunctional Phosphine Ligands: A Solid-State NMR Study, pp. 653-654	<input type="checkbox"/>

Examiner Signature	<i>Herward Legman</i>	Date Considered	3-15-05
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First Named Inventor	GAGNE ET AL.
Group Art Unit	1712
Examiner Name	UNKNOWN
Attorney Docket Number	PI1245USNA

[illegible]

**Examiner  
Signature**

Benard L. Spavin

Date  
Considered

3-15-57

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